

P **Calamintha nepeta**

Common Name(s)

Turkish Calamint

How Used

M

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation	
0	(Z)-2-HEXEN-1-OL	Shoot	0.4	0.4	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M.	1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . <i>J. Ess. Oil Res.</i> 4:189-190	
0	(Z)-BETA-OCIMENE	Shoot	9	9	-0.40626642590156903	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M.	1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . <i>J. Ess. Oil Res.</i> 4:189-190
0	(Z,Z)-ISOPROPENYL-2-METHYL-3-CYCLOHEXYL-ACETATE	Shoot	17	17	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M.	1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . <i>J. Ess. Oil Res.</i> 4:189-190	
67	1,8-CINEOLE	Leaf	80	80	-0.519934439015072	Akgul, A., De Pooter, H.L., and De Buyck, L.F.	1991. The Essential Oils of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> and <i>Ziziphora clinopodioides</i> from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
67	1,8-CINEOLE	Shoot	18	18	-0.13534031110891243	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	1-OCTEN-3-OL	Leaf	1	1	-0.5441939394701573	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0	1-OCTEN-3-OL	Shoot	0.9	0.9	-0.6426750507012978	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	2-HEXANOL	Shoot	0.9	0.9		Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	2-METHYL-6-(2-PROPYNYL)-PHENOL	Plant	15	15		Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
2	3-OCTANOL	Leaf	1	1	-0.5133412638659621	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0	6-METHYL-3-HEPTANOL	Plant	75	75	2.2317566235144057	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190

Chemical Plant Part	Low StdDev Reference Citation			
	PPM	PPM		
3 ACETONE	Plant	0.1	0.1	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
0 ALPHA-COPAENE	Leaf	25	25	-0.20757155613371883 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
28 ALPHA-PINENE	Leaf	90	90	-0.2187013131411883623 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
28 ALPHA-PINENE	Shoot	13	13	-0.14615199142269486 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
23 ALPHA-TERPINEOL	Shoot	16	16	-0.2693405181796286 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
0 BETA-BOURBONENE	Leaf	8	8	-0.5168073241260414 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
0 BETA-BOURBONENE	Shoot	5	5	-0.39348912091230565 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
13	BETA-PINENE	Leaf	95	95	-0.28900546135696525	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
13	BETA-PINENE	Shoot	21	21	-0.11962937780339346	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
35	BORNEOL	Shoot	16	16	-0.38332002929929565	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
12	BORNYL-ACETATE	Shoot	1	1	-0.4061043401786992	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
9	CAMPHENE	Shoot	1	1	-0.13418405689225413	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
9	CAMPHENE	Leaf	--	--		Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
41	CAMPHOR	Leaf	1	1	-0.2488796284474433	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.

Chemical Plant Part		Low	High	StdDev	Reference	Citation	
		PPM	PPM				
37	CARVACROL	Shoot 3	3	-0.6220945750912723	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190		
0	CIS-GERANYL-ACETONE	Shoot 6	6	1	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190		
0	CIS-PIPERITONE-OXIDE	Shoot 55	55	-0.8407953020078647	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190		
0	CIS-SABINENE-HYDRATE	Leaf	1	1	-0.32075212758434335	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.	
0	CIS-SABINENE-HYDRATE	Shoot 4	4	-0.2373969157859827	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190		
10	CUMINALDEHYDE	Leaf	--	--	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.		
9	DELTA-CADINENE	Shoot 3	3	-0.4316877620942376	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190		

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
0	EO	Shoot	4500	4500	-0.5365175054993953	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	EO	Leaf	8000	8000	-0.3109406390792802	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0	ETHYL-2-METHYL-BUTYRATE	Plant	0.9	0.9		Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	ETHYL-3-METHYLBUTYRATE	Plant	0.1	0.1		Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
76	EUGENOL	Shoot	8	8	-0.4868241109724222	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
11	GAMMA-TERPINENE	Shoot	31	31	-0.37291560992032835	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
2	GERMACRENE-D	Shoot	11	11	-0.36432500315763106	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190

Chemical Plant Part	Low StdDev Reference Citation		
	PPM	PPM	
4 HEXENAL	Shoot 0.9	0.9	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
3 ISOMENTHONE	Leaf 465	465	-0.5269160366559925 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0 ISOPIPERITENONE	Shoot 40	40	0.05727945161231237 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
60 LIMONENE	Leaf 80	80	-0.36362416420935134 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
60 LIMONENE	Shoot 585	585	-0.03064520177416904 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0 LINALOL	Leaf 1	1	-0.4420070940950003 Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0 LINALOL	Shoot 34	34	-0.21610443620995665 Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
63	MENTHOL	Leaf	1	1	-0.6077084517963512	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
30	MENTHONE	Leaf	1	1	-0.6405912619317381	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
2	METHYL-2-METHYL-BUTYRATE	Plant	0.4	0.4	-1	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
22	MYRCENE	Leaf	55	55	-0.15282865486446534	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
22	MYRCENE	Shoot	32	32	-0.30581499919831534	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0	P-CYMEN-8-OL	Shoot	1	1	-0.17036603907271525	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
16	P-CYMENE	Leaf	1	1	-0.39928269147471995	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
16	P-CYMENE	Shoot 9	9	-0.49426810257944204	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190	
0	PATCHOULANE	Shoot 7	7	-0.7198484835683314	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190	
3	PIPERITENONE	Leaf 3230	3230	1.9595500311758245	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.	
3	PIPERITENONE	Shoot 40	40	-0.4532940272705391	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190	
2	PIPERITENONE-OXIDE	Shoot 1970	1970	-0.23199303167738333	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190	
7	PIPERITONE	Leaf 150	150	-0.27800885162082306	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.	
0	PSEUDOLIMONENE	Shoot 1	1	-1.4142135623730951	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
28	PULEGONE	Leaf	3360	3360	-0.24906042893028224	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
5	SABINENE	Leaf	70	70	-0.21660909253535013	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. <i>J. Ess. Oil Res.</i> , 3: 7-10.
5	SABINENE	Shoot	13	13	-0.2820803257082769	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
23	TERPINEN-4-OL	Shoot	105	105	-0.12365620184873419	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
0	TERPINENE	Shoot	14	14		Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
9	TERPINOLENE	Shoot	0.9	0.9	-0.7798504068102784	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190
71	THYMOL	Shoot	14	14	-0.3294613819990514	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. <i>J. Ess. Oil Res.</i> 4:189-190

Chemical Plant Part	Low	High	StdDev	Reference	Citation
	PPM	PPM			
0 TRANS-PIPERITONE-OXIDE	Shoot 1135	1135	-0.660945307537852	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M.	1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
0 TRANS-SABINENE-HYDRATE	Leaf 1	1	-0.9047998796032819	Akgul, A., De Pooter, H.L., and De Buyck, L.F.	1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
0 TRANS-SABINENE-HYDRATE	Shoot 17	17	-0.26925624546928556	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M.	1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190